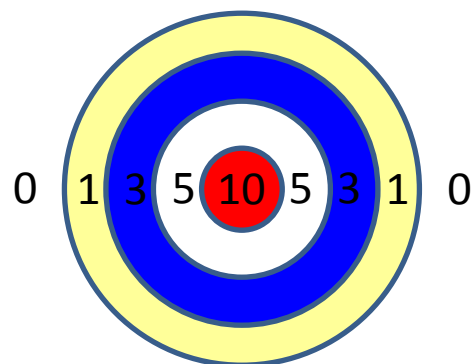
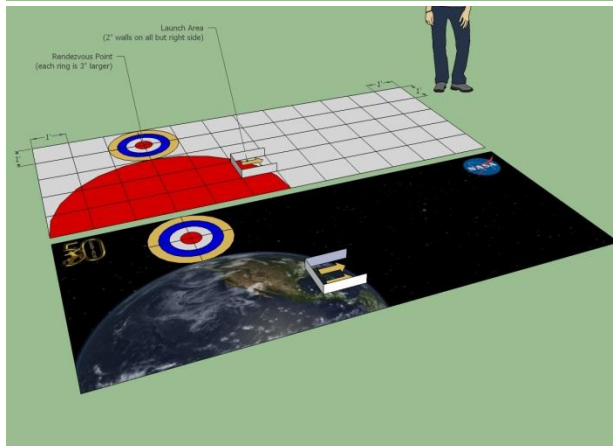
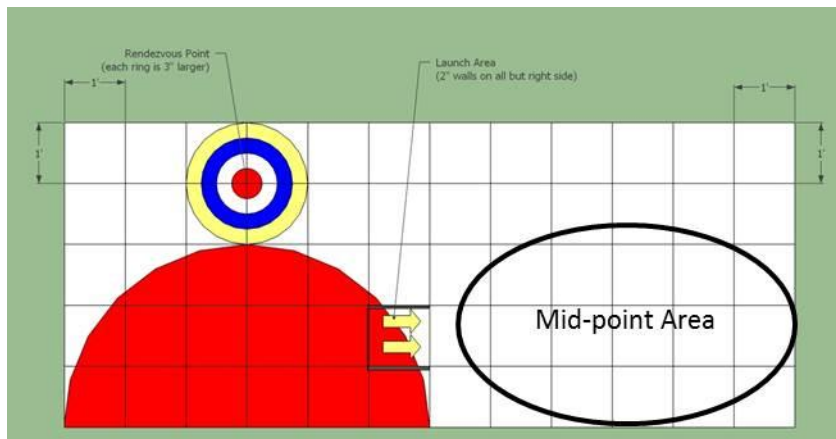




Centaur 50th Anniversary Engineering Design Challenge “Pushing the Limits”

Challenge Field Map Specifications

To set up the challenge field, you will need a 5-foot by 12-foot floor space. It can be helpful to create a 1-foot by 1-foot grid. Often, school floor tiles are 1-foot squares. Use tape (masking or electrical work well on floors) to mark the rectangular boundaries as shown below. The 2-inch walls shown around the launch area can be made from cardboard. The walls serve as a way to force the vehicle in the opposite direction of the rendezvous point so that the vehicle must change direction mid-course to reach the final target.



The top image will provide a guide to lay out the Challenge Field. The bottom image simulates the field that will be used at the Engineering Design Challenge Event. The Bulls-eye shows the possible scores that will be given depending on the final position of the actual payload when the vehicle stops.